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**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Sheet 1

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10/758.758

**ing Date**

**JANUARY 15, 2004**

**First Named Inventor**

LUC VAN AUTRYVE, ET AL.

### Group Art Unit

~~2012~~ 2823

**Examiner Name**

UNKNOWN H. LEE

Attorney Docket Number

AMAT/8764.P1/FEP/OXD/AG

**Submission Date**

6/20, 2005

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
<i>Lee</i>	B1	KR 375093B (English Abstract Only)	03/08/2003	S. HAN		X
	B2					
	B3					
	B4					

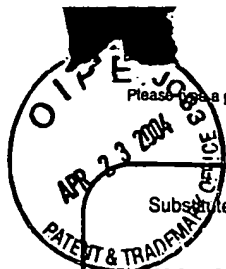
**Examiner**

**Date Considered**

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/758,758
Filing Date	JANUARY 15, 2004
First Named Inventor	LUC VAN AUTRYVE, ET AL.
Group Art Unit	UNKNOWN- 2823
Examiner Name	UNKNOWN- H. LEE
Attorney Docket Number	AMAT/8764.P1/FEP/OXD/JW
Submission Date	April 20, 2004

Sheet 1 of 1

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
Lee	A1	US-6,650,480 B2	11/18/2003	Tanaka	
	A2	US-6,573,030 B1	08/03/2003	Fairbairn, et al.	
	A3	US-6,495,390 B2	12/17/2002	Hawryluk, et al.	
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	A16	US-			
	A17	US-			
	A18	US-			

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Examiner

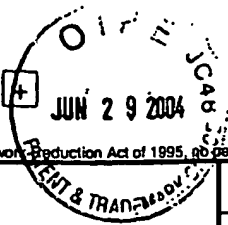
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7/7/06

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(Use as many sheets as necessary)

Sheet

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of

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Application Number	10/758,758
Filing Date	JANUARY 15, 2004
First Named Inventor	LUC VAN AUTRYVE, ET AL.
Group Art Unit	UNKNOWN 2823
Examiner Name	UNKNOWN H. LEE
Attorney Docket Number	AMAT/8764.P1/FEP/OXD/JW
Submission Date	June 25, 2004

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
Lee	A1	US-2004/0115935 A1	06/17/2004	LIU	
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
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	B2					
	B3					
	B4					

Examiner

*David Ming Lee*

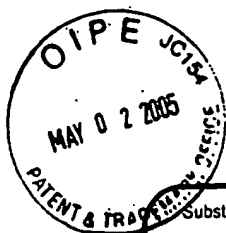
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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/758,758
		Filing Date	January 15, 2004
		First Named Inventor	Luc Van Autryve
		Art Unit	2812 → 2828
		Examiner Name	Unassigned H. LEE
Sheet 2 of 2	Attorney Docket Number	AMAT/8764P1/FEP/OXD/JW	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
Lu	C1	Article by Valentini et al., "Effect to thermal annealing on the electronic properties of nitrogen doped amorphous carbon/p-type crystalline silicon heterojunction diodes", American Vacuum Society, 2003, pgs. 582-588.	
Lu	C2	Article by Barradas et al., "Growth and characterization of amorphous carbon films doped with nitrogen", Nuclear Instruments and Methods in Physics Research B, 161-163 (2000) pgs 969-974.	
Lu	C3	Article by Kuo et al., "Field emission studies of low-temperature thermal annealing of nitrogen-doped hydrogenated amorphous carbon (a-C:H:N) films", Diamond and Related Materials 10 (2001) pgs 889-894.	
Lu	C4	Article by Zhang et al., "Raman analysis of laser annealed nitrogen doped amorphous carbon film", Solid State Communications 123 (2002) pgs 97-100.	
Lu	C5	PCT International Search Report from International Application No. PCT/US 2004/032151, dated February 14, 2005	

Examiner Signature	<i>H. Lee</i>	Date Considered	7/7/06
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